TX-P3071WH

HD flat

30” Wide Premier Series DynaFlat™ HDTV with Built-in HD Tuner

Meets the 2005 FCC Guidelines for an Integrated Digital Tuner

TV/VIDEO

- Built-in HD/Digital Tuner (ATSC/NTSC) – Tunes & processes 720p, 1080i, 480p, and 480i signals.
- Premiere Series Sleek Simple Design With Back Lit Icon Control Keys
- 16:9 Wide Screen Aspect Ratio
- Native Resolution 1080i/480p
- Dual HD Supports 720p and 1080i HD Signals
- DynaFlat™ HD Anti-Distortion, Anti-Glare Flat Picture Tube
- Finer Pixel Dot Pitch Flat CRT Improves Picture Resolution and Brightness
- Pro Picture 3-Stage Video Correction
  - Total DSP (Digital Signal Processing) Analog to Digital Signal Enhanced
  - Pro Chip Plus Converts all Analog Signals to Flicker-Free Progressive Scan
  - 8 Bit 20 MHz 3D Y/C Comb Filter
- Velocity Scan Modulation Improves Edge Detail
- 3:2 Pull Down Film to Video Frame Rate Correction
- Check HDTV Reception with a Built-in Digital Signal Strength Meter
- Light-Touch™ Front Panel Control Keys Illuminate When a Finger is Placed on an Icon
- Universal Remote Control
- Easy Navigation with Translucent On-Screen Display
- Screen Filling Modes & Vertical Compression for Anamorphic DVDs
- Digital Program Guide (where available)

AUDIO FEATURES

- 20-Watt Side Speaker Audio System with Sound Presets & Adjustable EQ

CONNECTIONS

- DVI-HDTV Interface with HDCP Copy Protection-Dual HD
- 2 Sets of Dual HD Auto Sensing 1080i/720p/480p/480i (Y/Pb/Pr) Component Inputs
- 3 Rear A/V Composite Inputs, Side & Rear S-Video Inputs, A/V Outputs, and Side A/V Inputs

CHANGE FOR THE BETTER WITH ENERGY STAR

DUAL HD 720p/1080i

HIGH DEFINITION TELEVISION HDTV 1080i

DYNA FLAT HD

All on-screen images are simulated pictures. Shown on optional stand.
All features, specifications, model numbers subject to change.

SAMSUNG

TX-P3071WH

30” Wide Premier Series DynaFlat™ HDTV with Built-in HD Tuner

Widescreen is the future. From HDTV to DVD, the picture can be displayed as intended by the director. Finding the TV that fits into your perfect room, or the right cabinet, is easy with the TX-P3071WH because it offers a small footprint with a big picture. Designed to blend in, yet stand out, the Light-Touch™ front panel control keys illuminate when your finger is placed over the icon bringing light to a dark room. Enjoying today’s TV picture is also better, because all analog signals are converted to digital, processed, and presented in the better flicker-free progressive scan. The newer progressive scan DVD Players are compatible. The TX-P3071WH offers a built-in HDTV tuner meeting the 2005 FCC guidelines, today. Whether you are looking to tune free over the air HD signals, connecting an equipped HD cable or satellite box, a door is opened to a world of higher quality images. For other components, a DVI digital input provides the best possible video connection. A 20-Watt audio system, 3:2 Pull Down film to video frame rate conversion correction, and simple menu navigations are only a few of the reasons why Samsung is the clear choice.

DUAL HD 720p/1080i

Tunes signals and accepts connections for both 720p and 1080i, offering compatibility with all broadcast ATSC high definition formats.

Understanding HDTV

The transition to HDTV is underway. The US government has mandated the switch to digital signals to replace today’s analog over the air broadcasts. Samsung’s Interactive Guide to Digital & HDTV is an on line information resource exploring new TV choices, how to get HD, and is packed with useful information about the world of digital television. Visit samsungusa.com/dtvguide to explore the animations, graphics, and simple explanations that this guide has to offer.

The Advantages of a Built-in Digital Tuner

This Samsung HDTV incorporates a built-in digital over the air tuner (ATSC). There are many television content providers from cable, to satellite, to over the air. Sometimes there are programming choices available over the air, that may not be available from cable or satellite. The FCC has mandated that in the future all televisions will have to have a built-in over the air tuner. An antenna is required to tune over the air signals. Samsung knows the importance of having choices and has adopted the digital/HD tuner now. Free over the air digital and HD programming is compelling, try it and see for yourself.

Progressive Scan DVD Player Compatibility

All Samsung Digital TVs are compatible with the newer Progressive Scan DVD players that output 480p. The difference is clear, smooth, and noticeable.

High Resolution DynaFlat™ HD Fine Pitch Flat Picture Tube

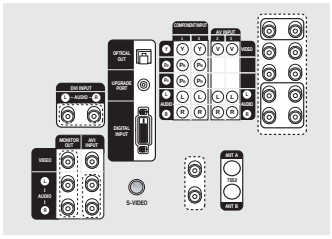
Not all HDTV Monitors are created equally. With a Samsung DynaFlat™ HDTV the overall resolution has been improved by making the individual phosphor color spots (pixels) smaller and closer together. A Multiple Focus Electron Gun is capable of illuminating many more finer spots to achieve a much more detailed picture.

3:2 Pull Down

3:2 Pull Down is indispensable for people who want to watch Hollywood “films” at home on video. The difference between film and video frame speeds causes blurring, stuttering and other motion artifacts, especially during fast-action sequences. With Samsung’s 3:2 pull down process, these anomalies are corrected, and you experience a smooth picture much closer to the original film.

flat

Remote Control



Rear Jack Panel

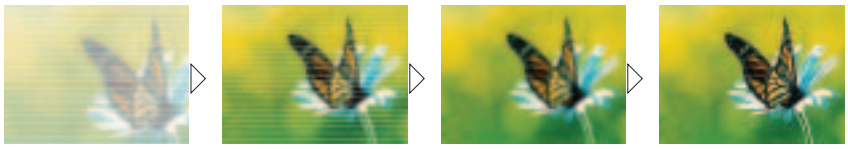
Side Jack Panel

Samsung's Digital Pro Picture 3-Stage Video Correction

Samsung's Digital Pro Picture 3-Stage Video Correction is a three-stage video processing system that produces a high performance picture from both analog and digital sources.

3-Stage refining process

- Total DSP (Digital Signal Processing): analog to digital signal processing improves picture quality.
- Pro Chip Plus converts all analog signals to the better flicker-free progressive scan.
- 8 Bit 20 MHz 3D Y/C Comb Filter analyzes multiple lines of picture information to minimize edge image artifacts while improving transition detail.



Unclear analog signal

Total DSP™
- Converts analog to digital
- Restores picture strength to 100% of original
- Optimizes brightness
- Enhances picture quality

ProChip Plus™
- Doubles lines of resolution
- Converts interlaced images to smooth progressive scan
- Reduces flicker
- Smoothes motion

Defining Filter
- Sharpens edges
- Removes misty, unclear details
- Eliminates analog artifacts and noise

Light Touch™ Control Keys-

Samsung introduces a new way to operate your TV. Light-Touch™ control keys replace regular front panel buttons with a series of icons. By simply placing your finger over the icon the function is activated. Small lights confirm your selections. Dust and typical room contaminants do not effect the Light-Touch™ membrane. This sleek design is simple, high tech, and back lit.

Widescreen Aspect Ratio Control

Allows the viewer to make screen fitting adjustments depending on the content displayed.

Wide | Panorama | Zoom 1 | Zoom 2 | Normal

Digital Visual Interface (DVI) with HDCP

As the world moves to digital, a true digital connection is the logical next step. DVI-HDTV is an industry standard connector that can be found on newer HDTV receiver/decoders and potentially other digital components. With built in copy guard protection (HDCP) as mandated by many content providers, Samsung is capable of producing an outstanding picture directly from digital sources.

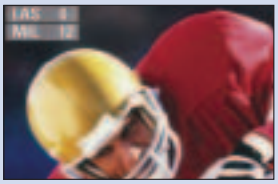
Discrete Infra Red Codes

This set is equipped with discrete IR codes for use with a macro/programmable remote (see owners manual for details).

Progressive Scan Explained

Take the screen test and compare Samsung's Digital TV with a typical interlaced TV

Samsung Progressive Scan



Sharp edges

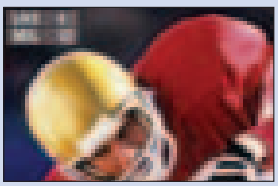
It's the reds vs. the blues, yellows, or whites. Ordinary interlaced images go jagged where colors meet. Samsung Progressive Scan keeps them in bounds.

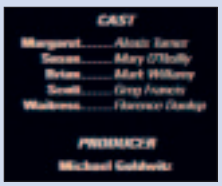
Color Shift

Green and red outlines around credits turn every movie into a mystery. Samsung Progressive Scan keeps text crisp and clear.

VS.

Interlaced





HD flat

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TV/VIDEO

16.9 Aspect Ratio
Built-in ATSC/NTSC Tuner (Tunes & processes 720p, 1080i, 480p, and 480i signals)
Native Resolution Display format 1080i/480p
Dual HD Tunes signals and accepts connections for both 720p and 1080i, offering compatibility with all broadcast ATSC high definition formats.
Full Sounding Side Speaker Design (Silver Cabinet)
Progressive Scan 480p DVD Compatible: accepts a 480p signal via a component input from a Progressive Scan DVD Player or game console.
DynaFlat™ HD Anti-Distortion, Anti-Glare High Resolution Flat Picture Tube
New Finer Pixel Dot Pitch DynaFlat™ HD CRT improves picture resolution and brightness with a greater amount of individual picture elements being illuminated.
Dynamic Multiple Focus Electron Gun achieves better spot focus, greater corner to corner focus, and presents higher resolution picture quality.
Pro Picture 3-Stage Video Correction
- Total DSP (Digital Signal Processing): analog to digital signal processing improves picture quality.
- Pro Chip Plus converts all analog signals to the better flicker-free progressive scan.
- 8 Bit 20 MHz 3D Y/C Comb Filter analyzes multiple lines of picture information to minimize edge image artifacts while improving transition detail.

Maximum of 800 Lines Horizontal Resolution
Velocity Scan Modulation sharply defines edges and outlines by controlling the speed of transitions between the black and white portions of the signal.
3:2 Pull Down: Correction for film productions that are transferred to video. 3:2 Pull Down compensates for inherent flaws in film (24 frames per second) to video (30 frames per second) frame rate transfers, making a smoother picture with less motion distortion.
INVAR Shadow Mask: An alloy material used for consistency of focus and brightness without sacrificing color purity.
Color Temperature Controls: Normal, Warm and Cool selectable with On-Screen Display.
4 Video Presets optimize the picture for the type of program being watched. Presets: Standard/Dynamic/Movie/Custom with user adjustable brightness, contrast, sharpness, color, and tint.
Vertical Compression maintains vertical resolution and quality during anamorphic widescreen sources such as DVD.
Dark Tint Picture Tube minimizes reflections and improves colors and picture contrast.
Dynamic Black Level Expansion & White Peak Limiter further improves picture contrast.
Auto Kine Aging Bias automatically regulates the white balance to maintain consistent, optimal performance even after many years of use.
181-Channel Synthesized Tuning
Tilt Correction allows for picture adjustments due to Earth’s magnetic field.
Digital Chassis increases overall reliability.

CONVENIENCE

Light-Touch Front Panel Control Keys illuminate when a finger is placed on an icon creating a sleek clean look to the cabinet design, yet allow for accessing menu settings without the remote control.
Universal Remote controls most brands of VCRs, DVD players and cable boxes.
Digital Signal Strength Meter checks your HDTV reception, easily, on screen.
Digital Program Guide provides program description, a schedule of show times and other information (Where available-dependent of data from broadcaster).
CaptionVision (CC)[1] displays dialog that can be read along with encoded broadcast TV programs and pre-recorded videos.
V-Chip System[1] allows blocking of rated TV and movie programs determined by the parent to contain objectionable content.
Easy Navigation with a Translucent On-Screen Menu Display that allows the user to make control setting adjustments while continuing to view the picture in the background.
Trilingual On-Screen Display English, Spanish or French.
Screen Filling Picture Modes: Normal, Wide, Zoom 1, Zoom 2, Panorama (less stretching in the middle and more towards the edge).
Plug & Play Setup uses automation and simple menus to select the source (broadcast or cable), set the clock, and map the active channels.
Auto Channel Programming memorizes only active broadcast and cable channels. Manual add/delete option included.
Clock with on/off timer.
Auto Clock Set reads the XDS broadcast signal[1] to display the correct date and time even adjusting for daylight savings time.
Channel Labeling assigns on-screen channel labels (e.g.-NBC, ESPN, VH-1).
Non-Volatile Memory preserves audio, video and menu settings during power outages.
Input Labeling allows the user to assign the appropriate name of the source to the input it is connected to.
Discrete IR Codes for setting up macros and sequencing functions on third party remotes.

AUDIO

Stereo Broadcast Reception (MTS & SAP)
20-Watt Total Audio Sound System
2 Way (Left & Right) High Quality Audio Driver Compliment
Preset Sound Modes include Standard, Movie, Music, Speech (focuses on dialog and reduces background), and Custom (5 band graphic equalizer allows detailed sound adjustments).
Second Audio Program (SAP) capability.
Auto Volume Leveler keeps audio volume consistent during channel changing to minimize static sound bursts.

CONNECTIONS

DVI-HDTV Interface with HDCP copy protection enables an all-digital rendering of video without the losses associated with an analog interface. DVI (Digital Visual Interface) supports up to 24-bit digital RGB data for the highest image quality. High-band-width Digital Content Protection (HDCP) provides a protected interface which will improve the availability of high value content such as premium high-definition video from HD broadcast satellite receivers and many new digital cable boxes.
2 Sets of Auto Sensing 1080i/720p/480p/480i (Y/Pb/Pr) Component Input connections allows for the best quality video hook up of a DVD, Progressive Scan DVD, some newer game consoles, and/or an HDTV tuner.
S-Video Inputs: 1 Side & 1 Rear (Shared)
A/V Fixed Monitor Output: 1 Rear
Side A/V Input Convenience Connections (Present a cleaner looking front cabinet.)
3 Sets of A/V Composite Inputs: 3 Rear
Dolby Digital Optical Output
RF Input: 2 Rear

QUALITY

Warranty: 1 year parts and 1 year labor warranty (90 days parts and labor for commercial use), with in-home service, backed by Samsung toll-free support.
Energy Star Compliant[2] reduces energy consumption by up to 25% compared with standard TVs.

SPECIFICATIONS

Picture Tube: 30" CRT measured diagonally
TV System: American ATSC and NTSC
Channel Coverage: VHF 2-13, UHF 14-69, CATV 1-125 (up to 181 pre-selected channels)
Antenna: CATV/VHF/UHF 75-ohm, F-type
Audio Power: 10W x 2
Power Requirements: 120W AC, 60Hz
Power Consumption: 190W (1.9W standby)

NET DIMENSIONS AND WEIGHT (WxHxD)

Monitor: 34.6" x 21.9" x 23.6"
Monitor Weight: 123.5 lbs.

SHIPPING INFORMATION (WxHxD)

Monitor: 39" x 27.6" x 28.7"
Monitor Weight: 134.5 lbs.

MONITOR

UPC: 036725226791
Order Code: TXP3071WHX/XAA

[1]Feature dependent upon broadcasting of information by local off-air TV and cable channels.
[2]An Energy Star partner, Samsung has determined that this product meets the Energy Star guidelines for energy efficiency. Energy Star is a registered trademark of the U.S. Environmental Protection Agency.
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